

**Amendments to the Drawings:**

New formal drawings (Figures 1-37) have been submitted herewith that comply with the Official Draftsperson's instructions. Specifically, (i) any erasures, alterations, overwritings, interlineations, folds and copy machine marks in Figure 18 have been removed to comply with 37 C.F.R. § 1.84(e); (ii) views have been labeled separately and properly in Figures 13A-14D and Figures 29A-29E to comply with 37 C.F.R. § 1.84(h); (iii) lines, numbers and letters have been modified to be uniformly thickened and well defined, clean, durable and black in Figures 1-10, 24A, 25-33F and 36A to comply with 37 C.F.R. § 1.84(i); and (iv) numbers and reference characters have been modified to be plain and legible in Figures 1-10, 16, 22A-D and 25-33F and Figure legends have been modified in Figures 1-10 and 11-14B to comply with 37 C.F.R. § 1.84(p).

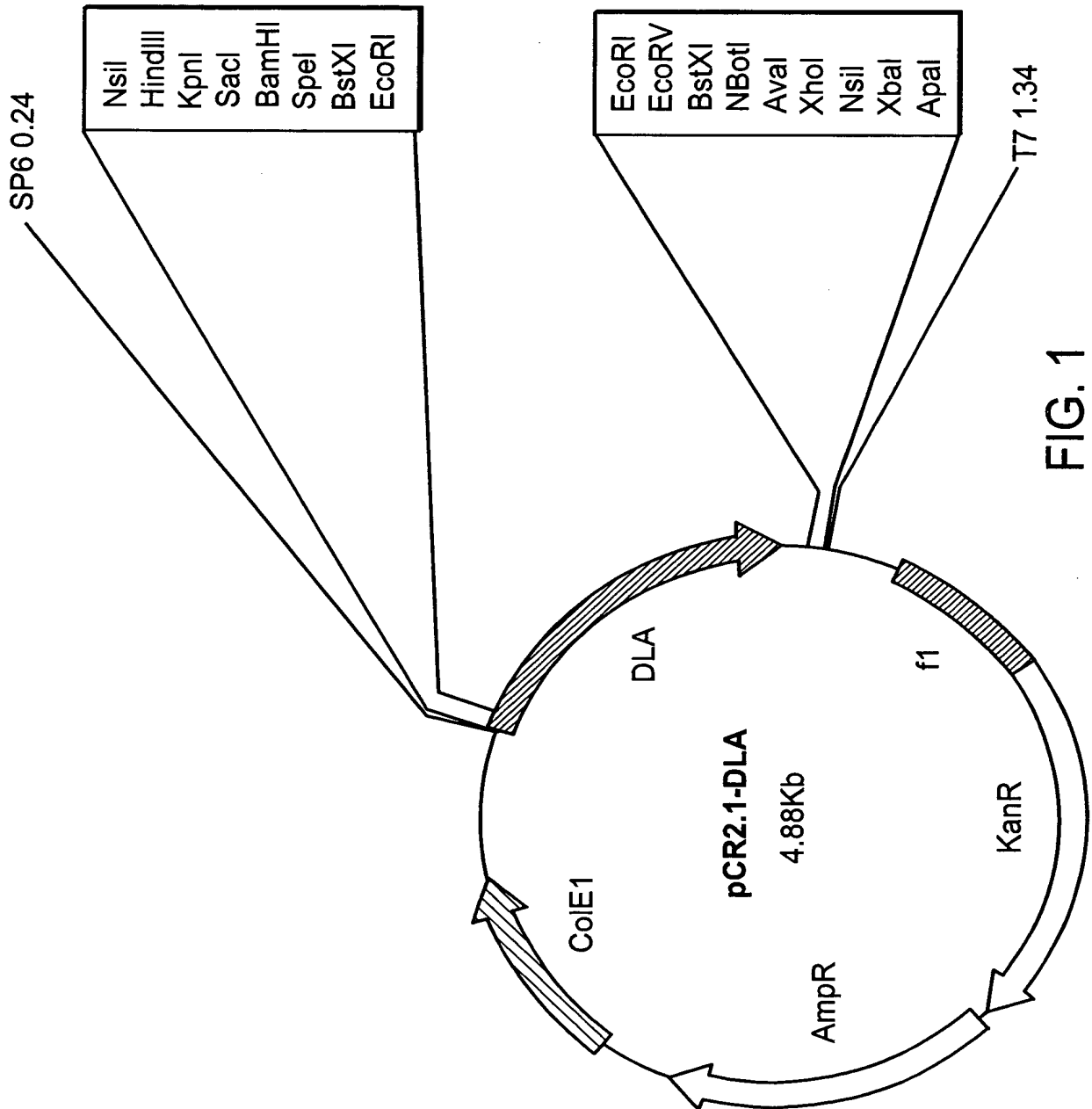
Attachment: Replacement Sheet (Appendix A)



"REPLACEMENT SHEET"

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$\beta$ -Subunit

Gowda 1 A Q S L S F S F T K F D P N Q E D L I F Q G T A T S . . . . . K L D S A G N P V S S S A G R V 42  
FRIL 1 A Q S L S F S F T K F D P N Q E D L I F Q G H A T S T N N V L Q V T K L D S A G N P V S S S A G R V 50

43 L Y S A P L R L W E D S A V L T S F D P T I Y . . I F T N Y T S R I A D G L A . F I A P P D S V I S 89  
51 L Y S A P L R L W E D S A V L T S F D T I I N F E I S T P Y T S R I A D G L A F F I A P P D S V I S 100

90 Y H G G F L G L F P N A A E S G . . . . . 105  
101 Y H G G F L G L F P N A N T L N N S S T S E N 123

$\alpha$ -Subunit

Gowda 1 . . . . . I A E S N V V A V E F D T D Y L N P D Y G D P N Y I H I G I D V N S I R S K V T A S W D W 45  
FRIL 1 Q T T K A A S S N V V A V E F D T . Y L N P D Y G D P N Y I H I G I D V N S I R S K V T A K W D W 49

46 Q N G K I A T A H I S Y N S V S K R L S V T T Y P G R G K P A T S Y D I E L H T V L P E W V R V G 95  
50 Q N G K I A T A H I S Y N S V S K R L S V T S Y A G S K P A T L S Y D I E L H T V L P E W V R V G 99

96 L S A S T G Q N I E R N T V H S W S F T S S L W T N V A K V G V A S I G . . . . . 132  
100 L S A S T G Q D K E R N T V H S W S F T S S L W T N V A K K E N E N K Y I T R G V L \* \* Y M C I N D 149

FIG. 2



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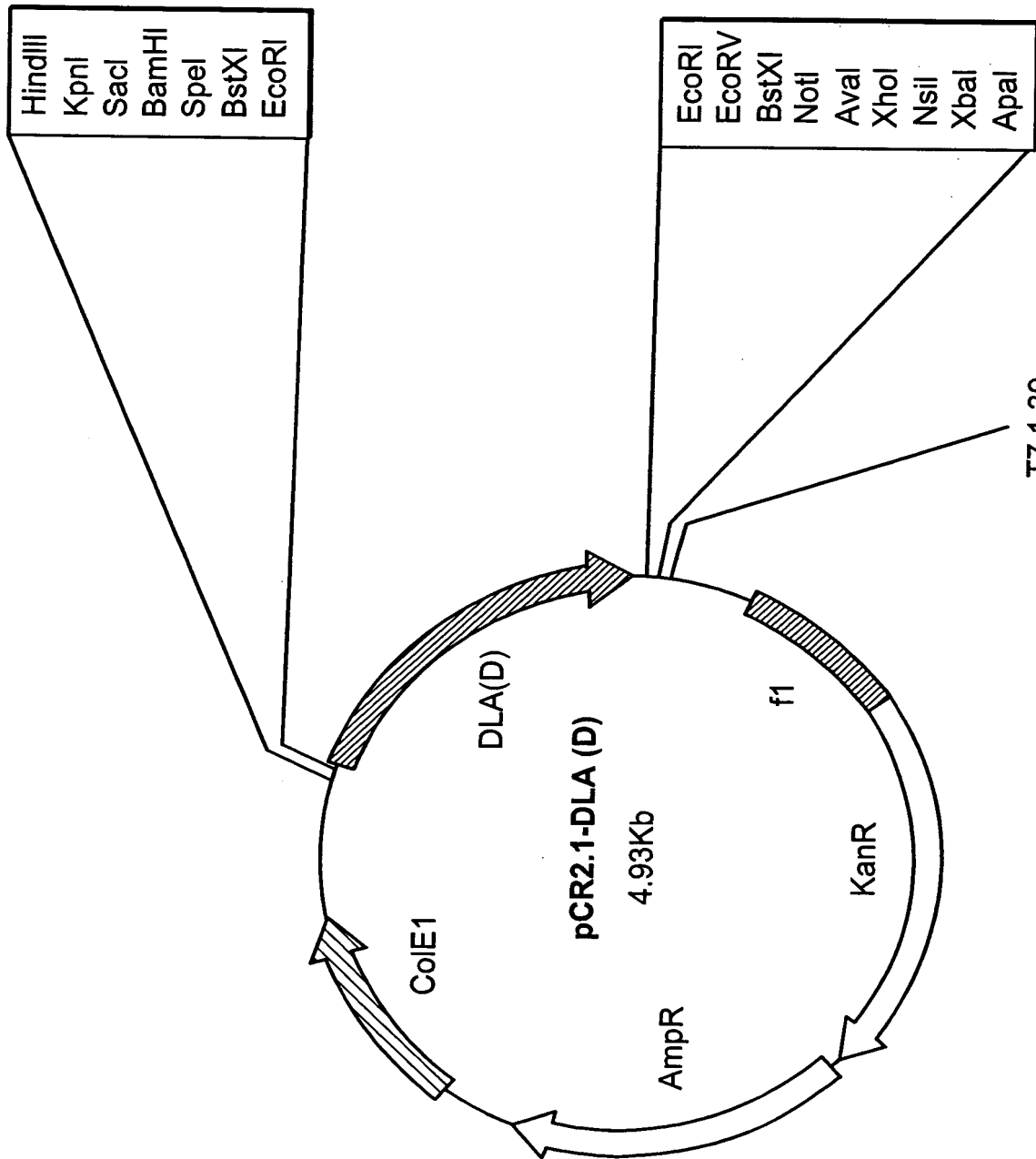


FIG. 3



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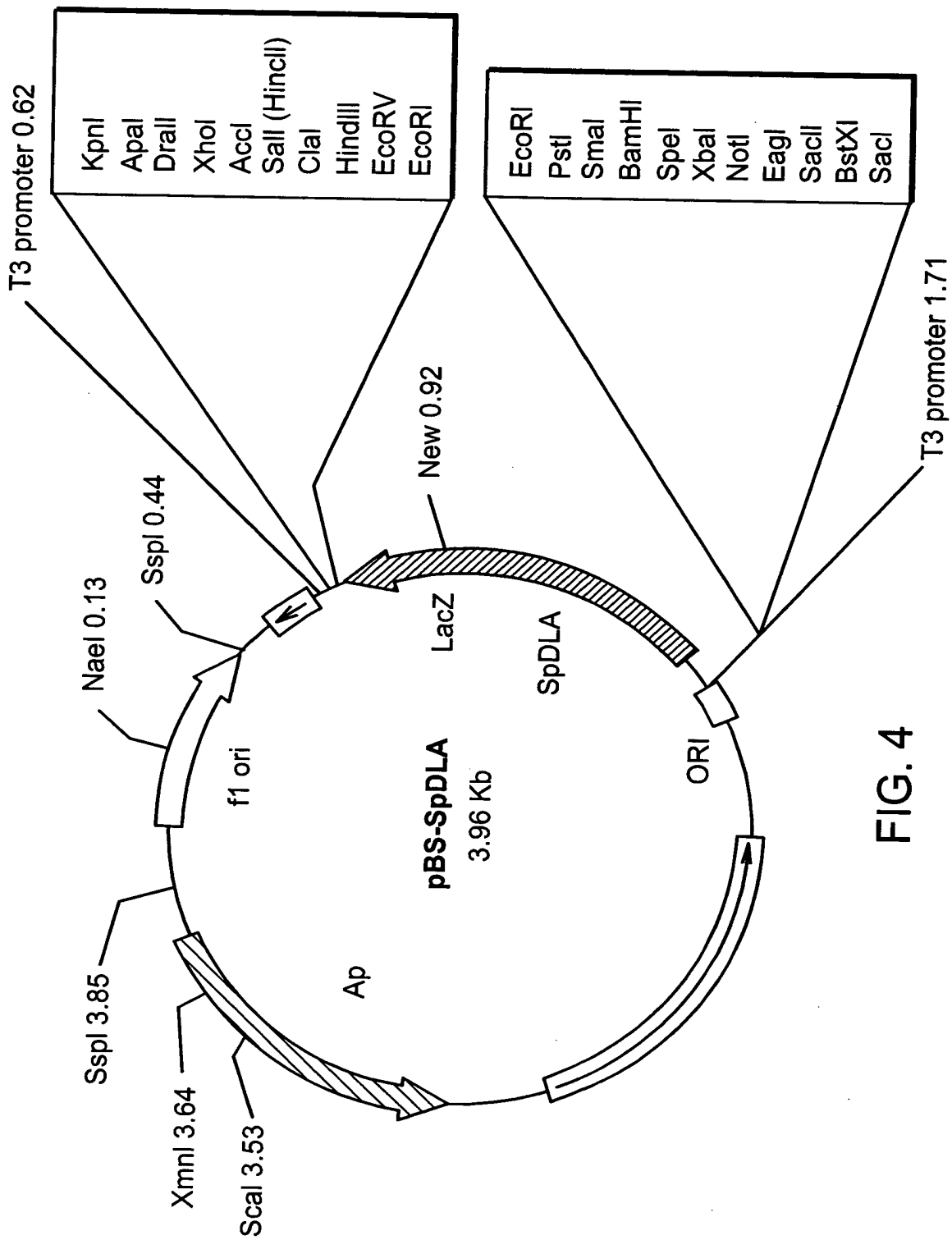


FIG. 4



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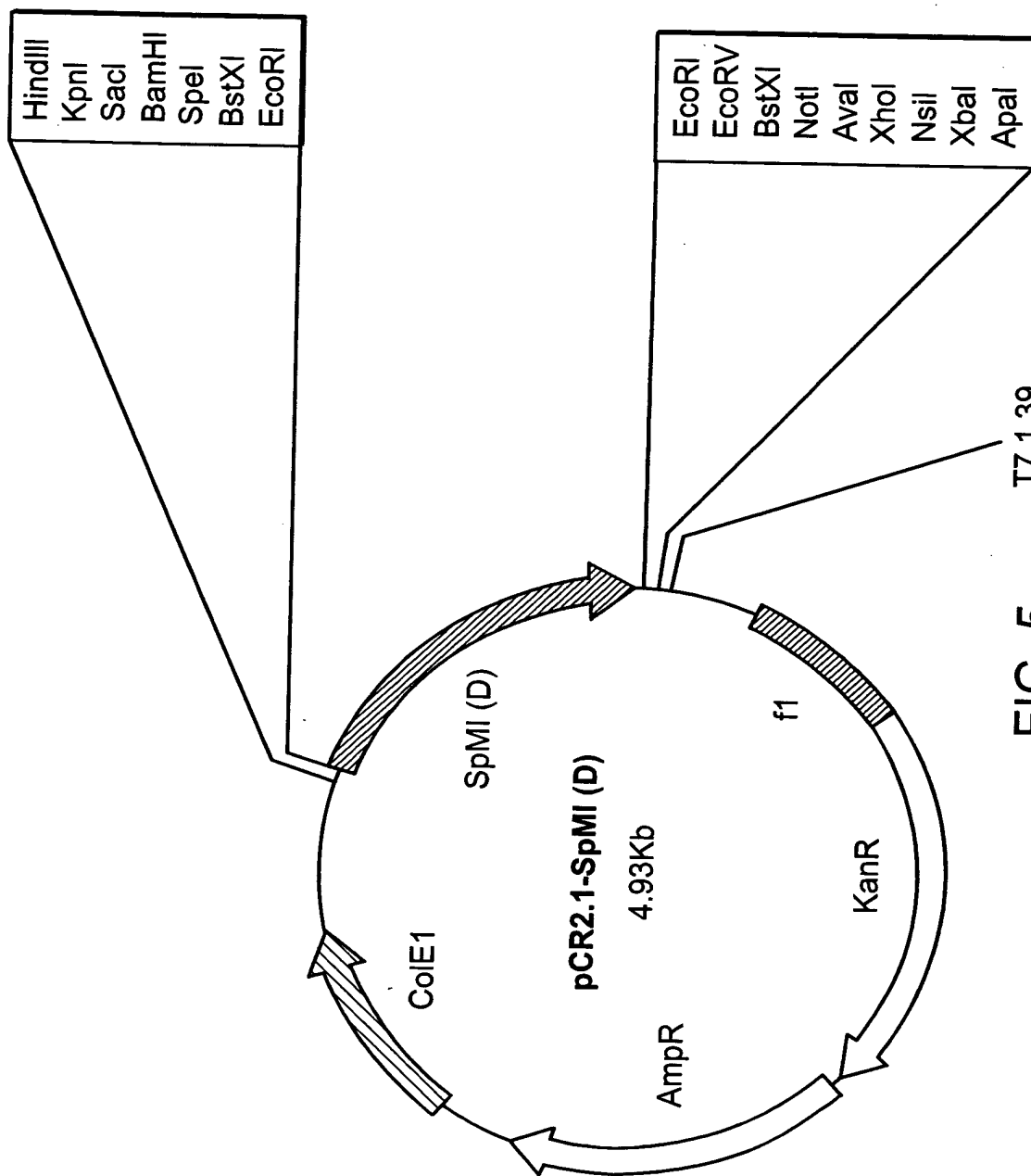


FIG. 5



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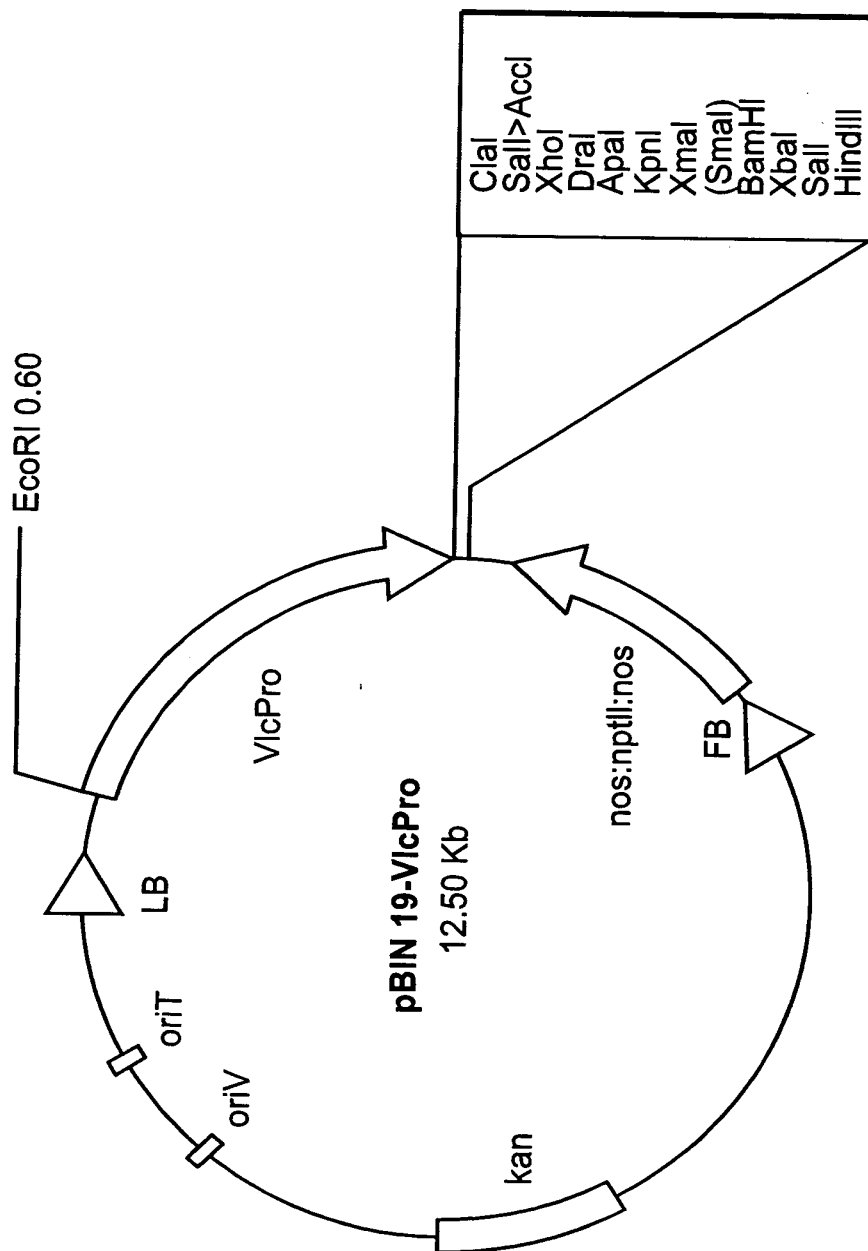


FIG. 6



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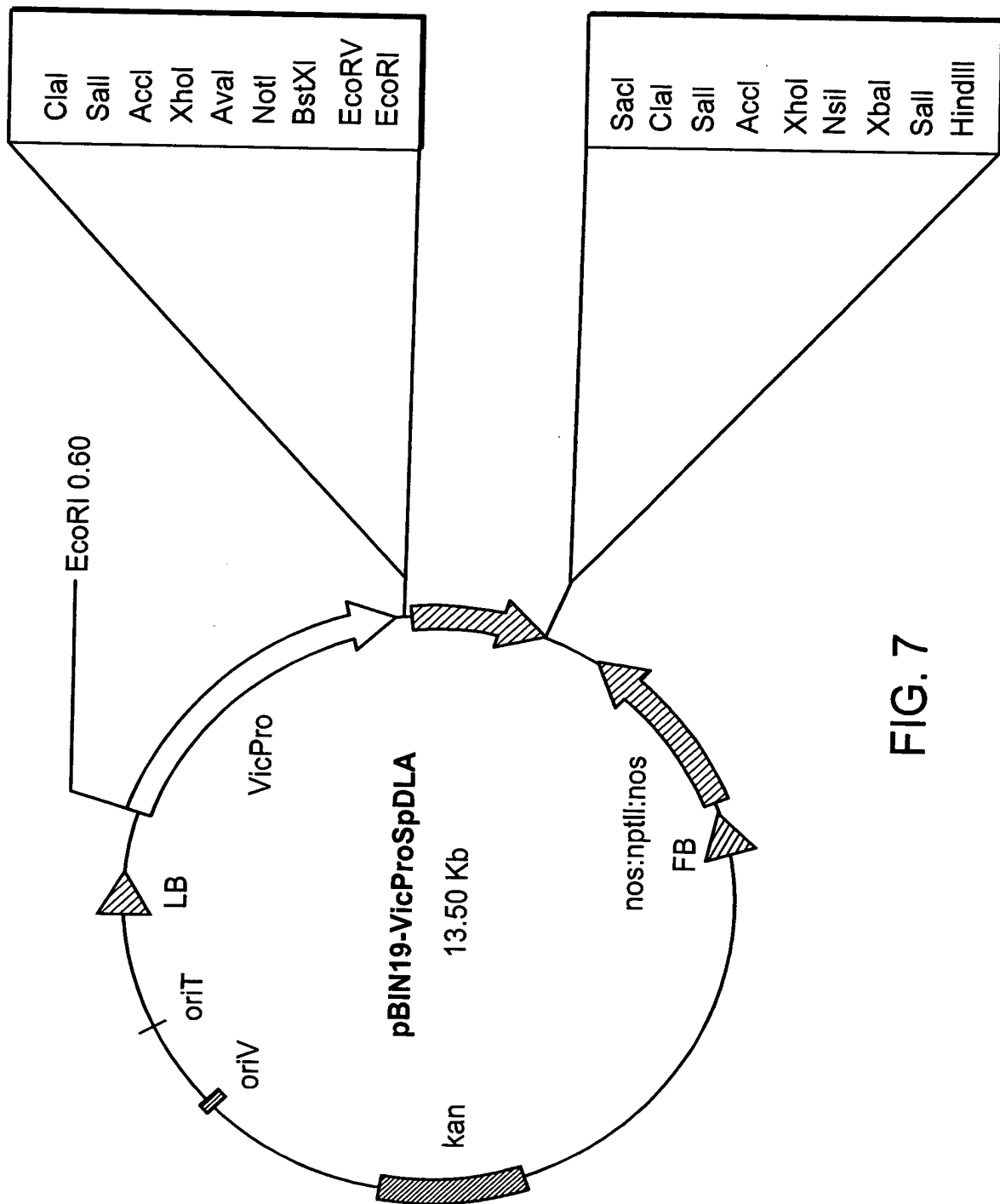


FIG. 7





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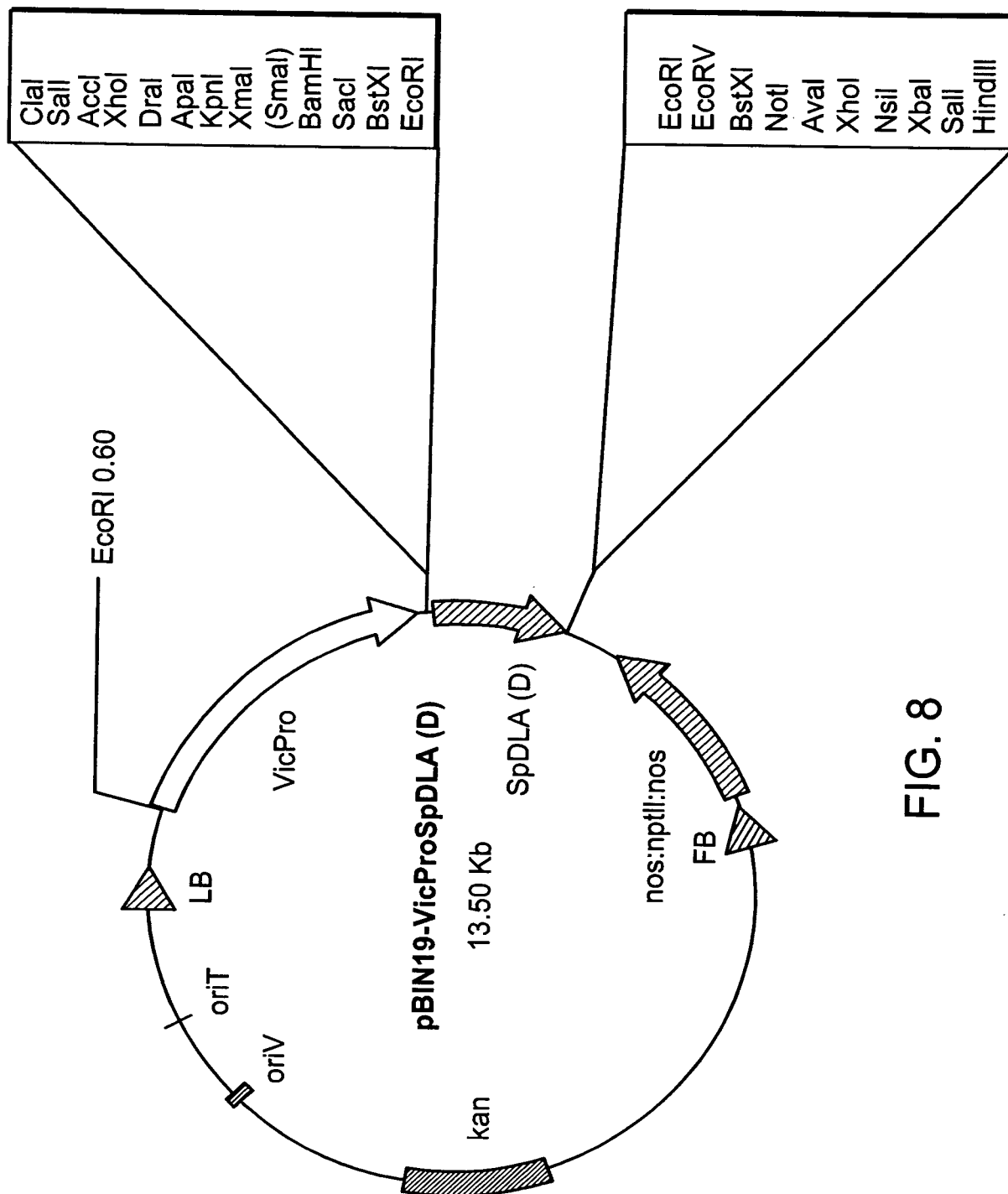


FIG. 8



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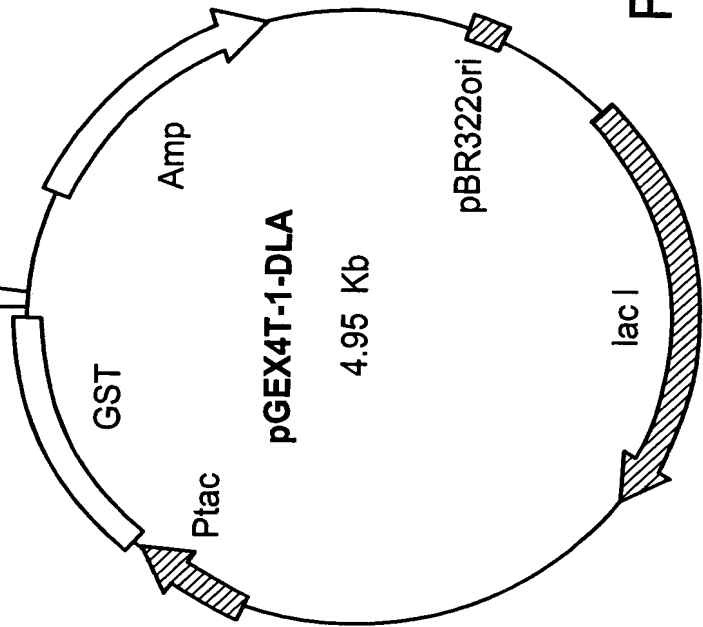
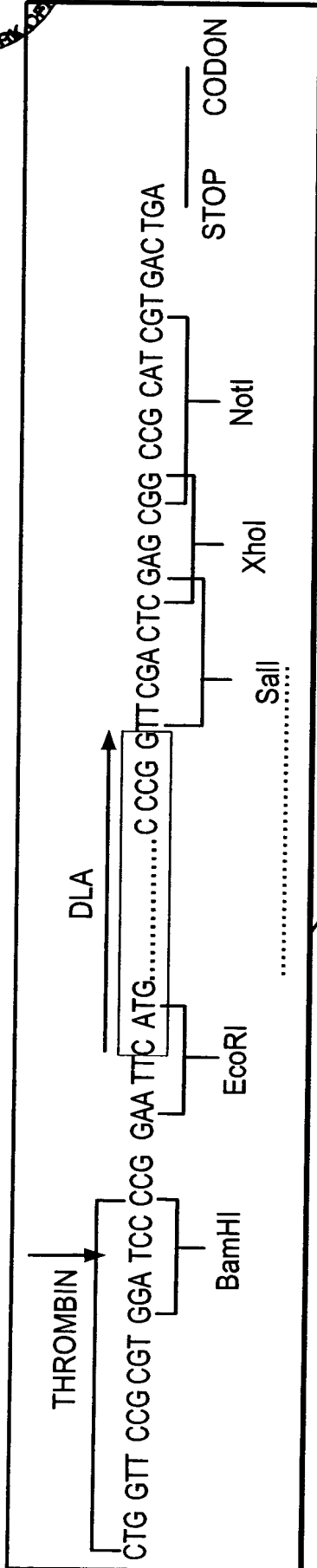


FIG. 9



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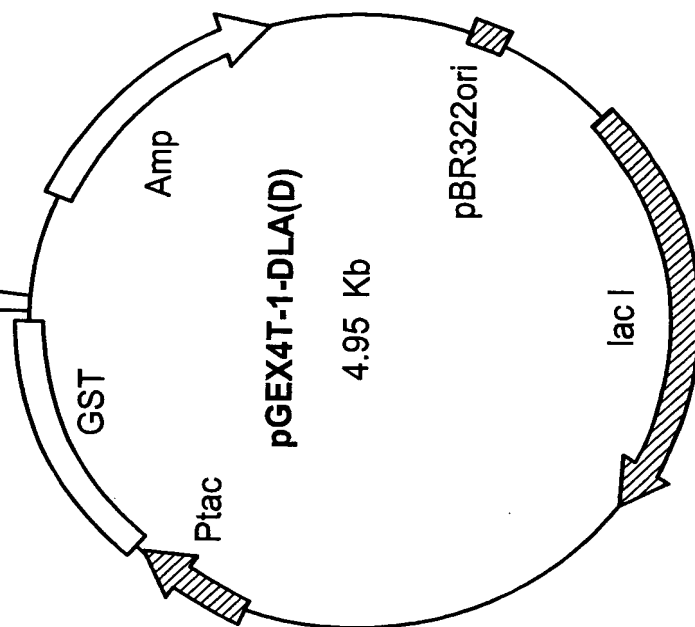
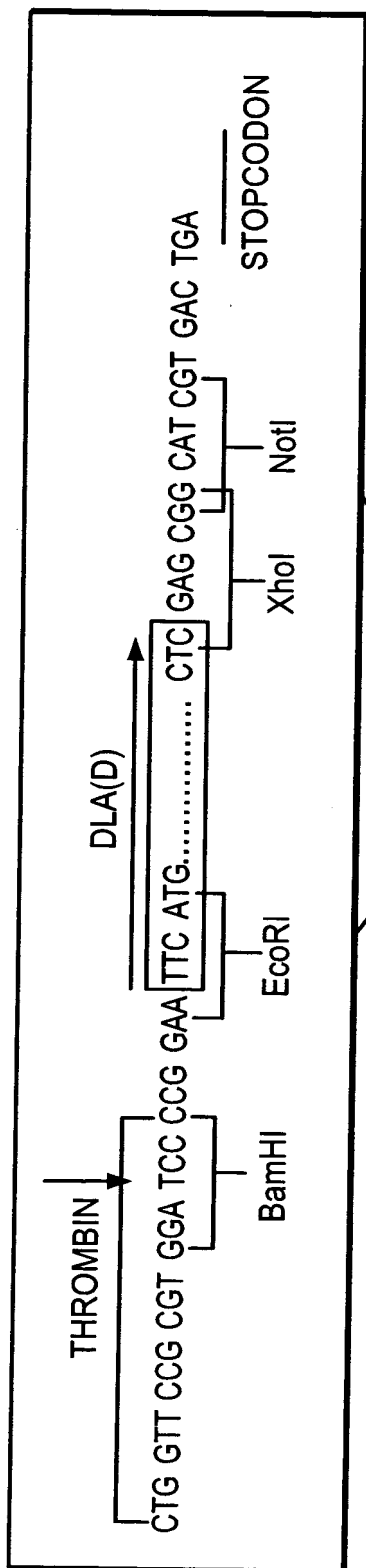


FIG. 10



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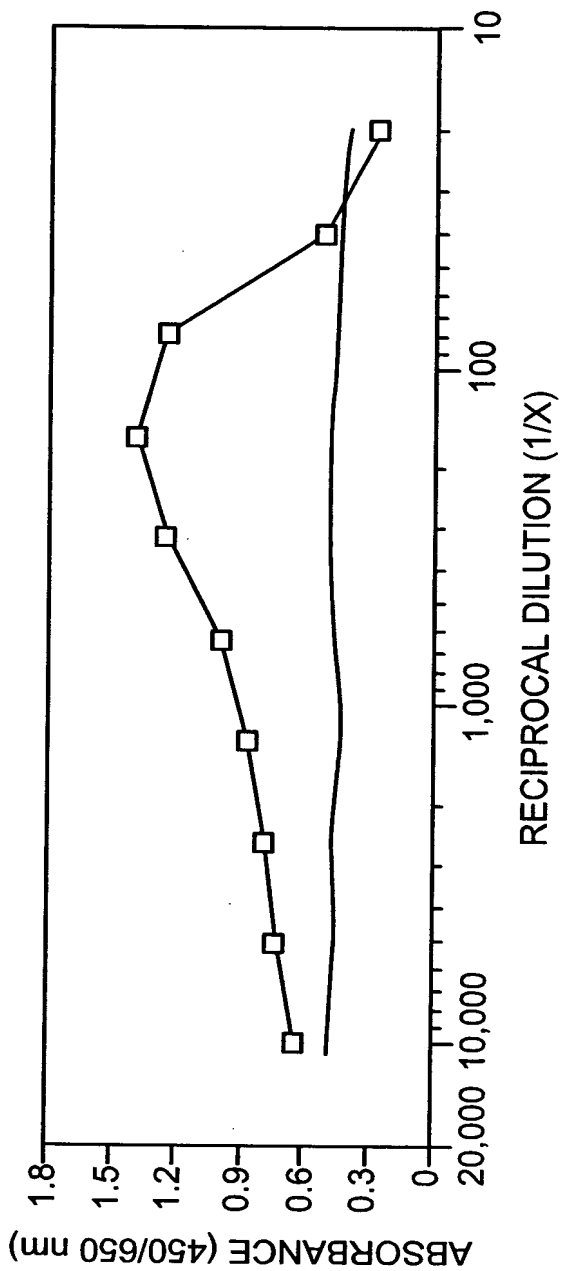


FIG. 13A

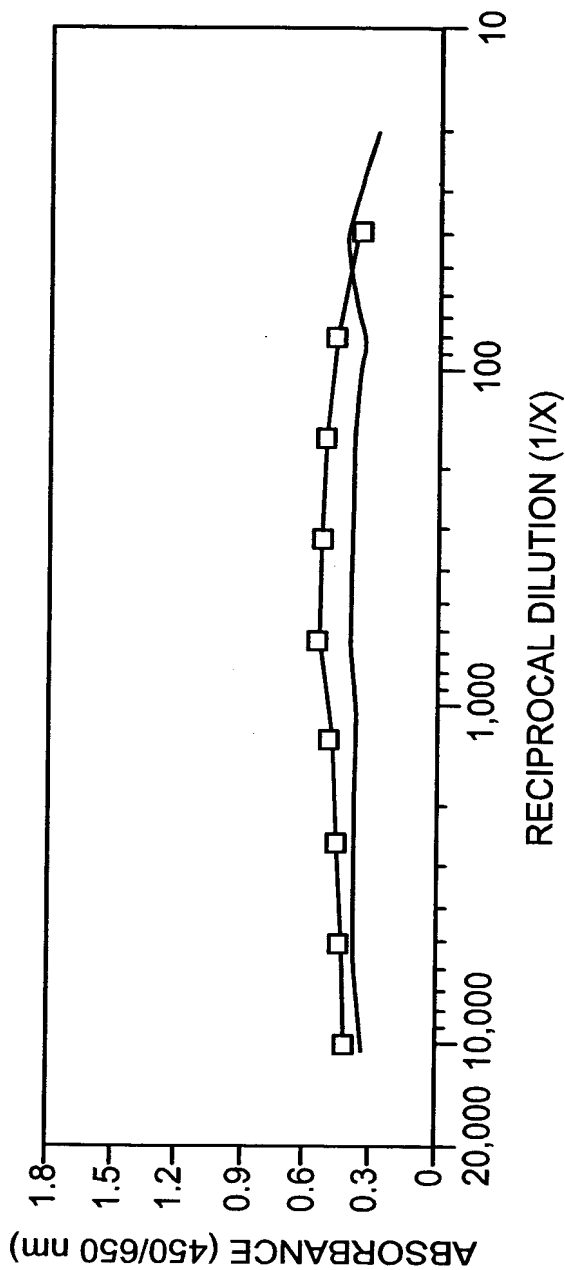


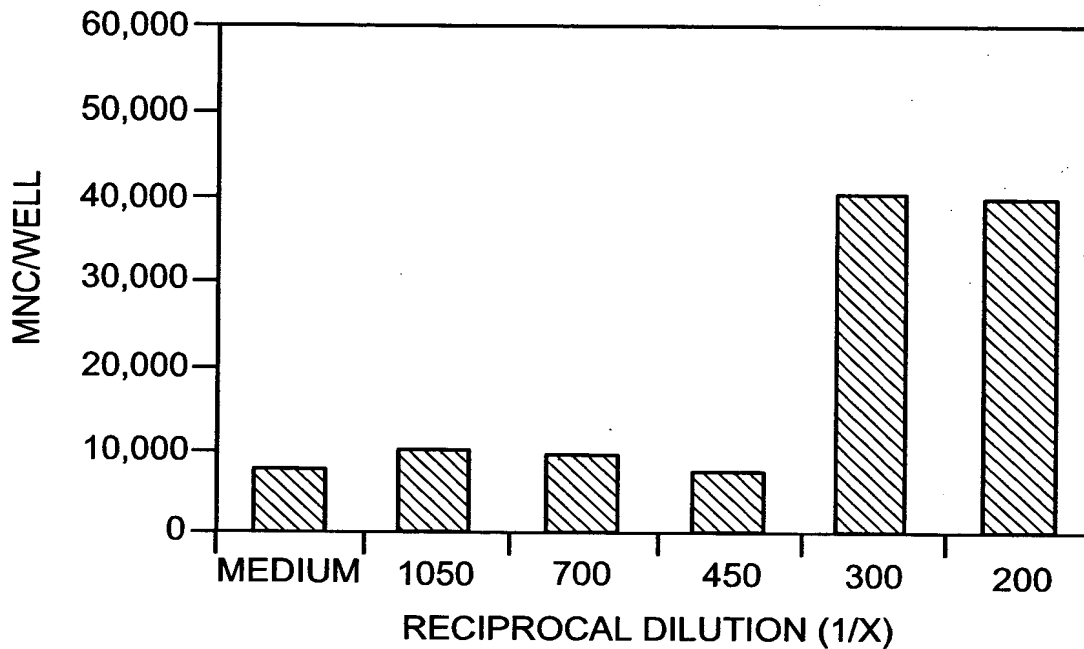
FIG. 13B



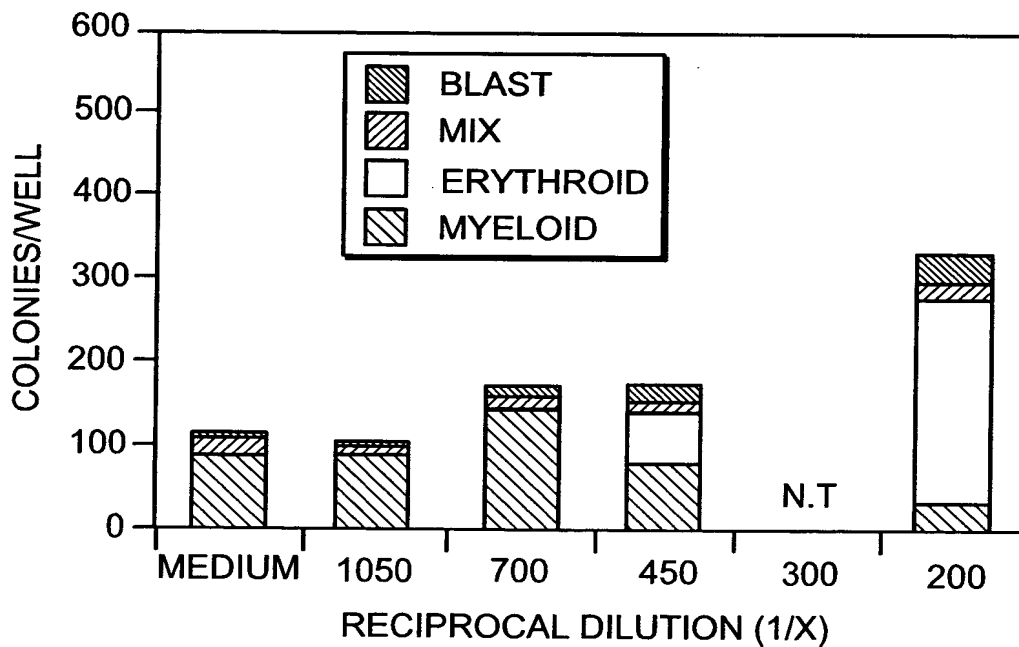
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**FIG. 14A**



**FIG. 14B**



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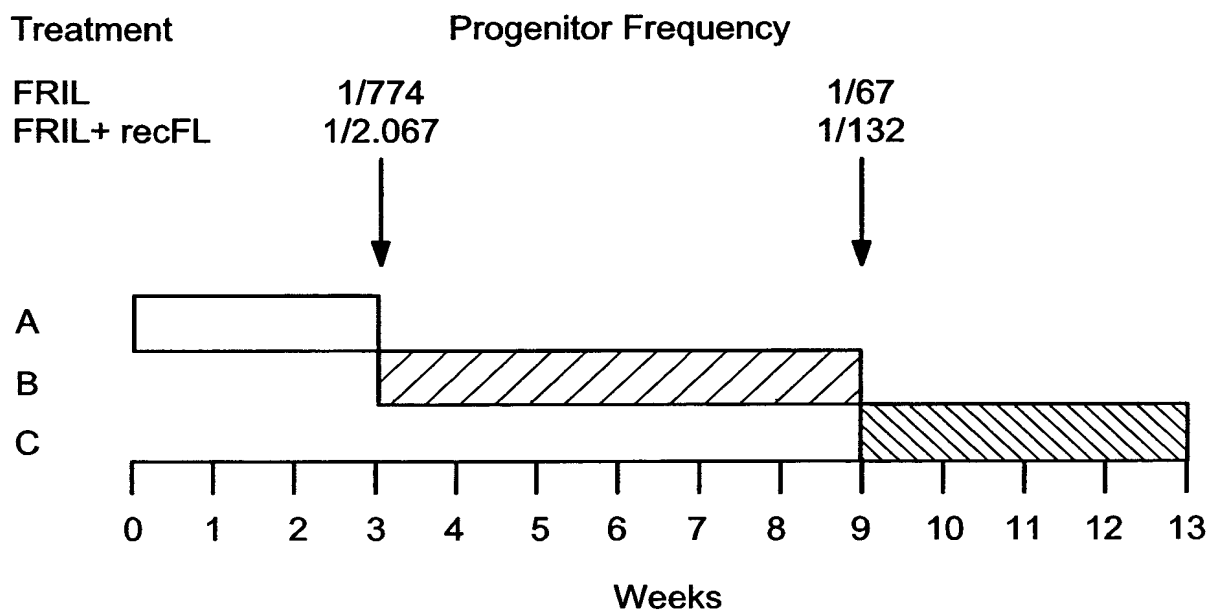


FIG. 16



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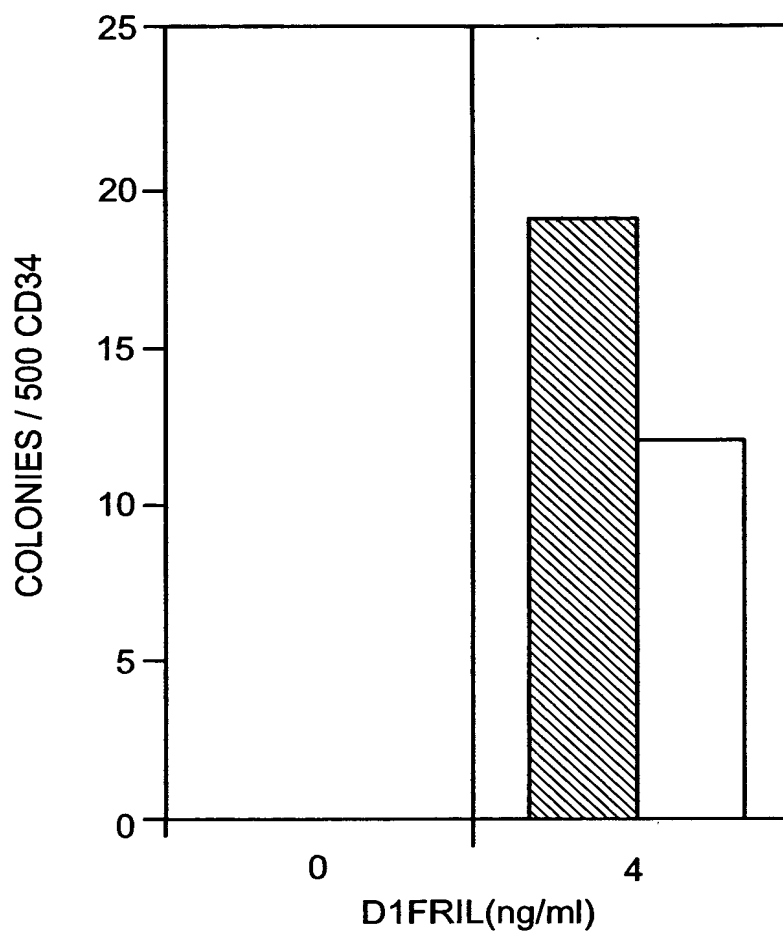


FIG. 18



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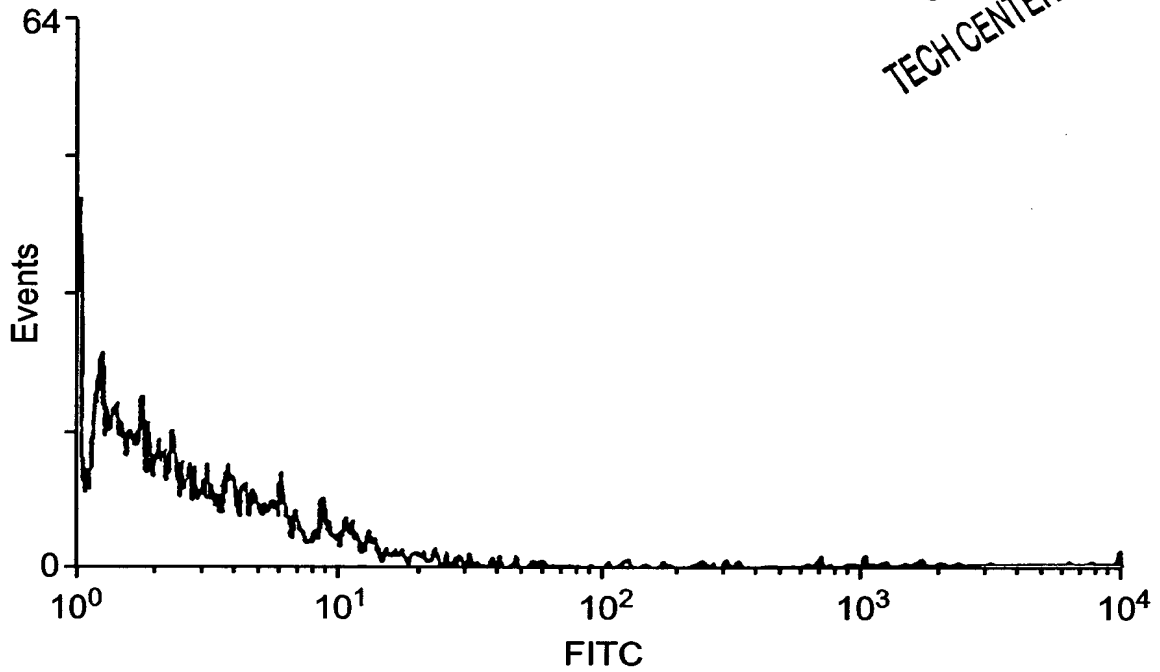


FIG. 22A

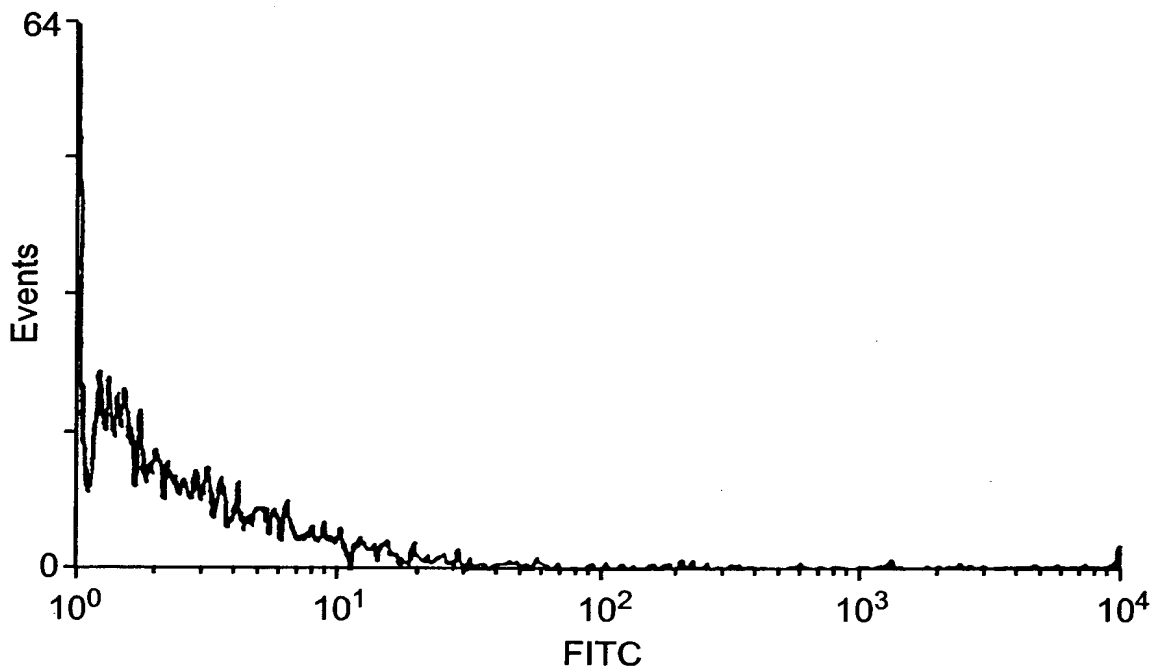


FIG. 22B





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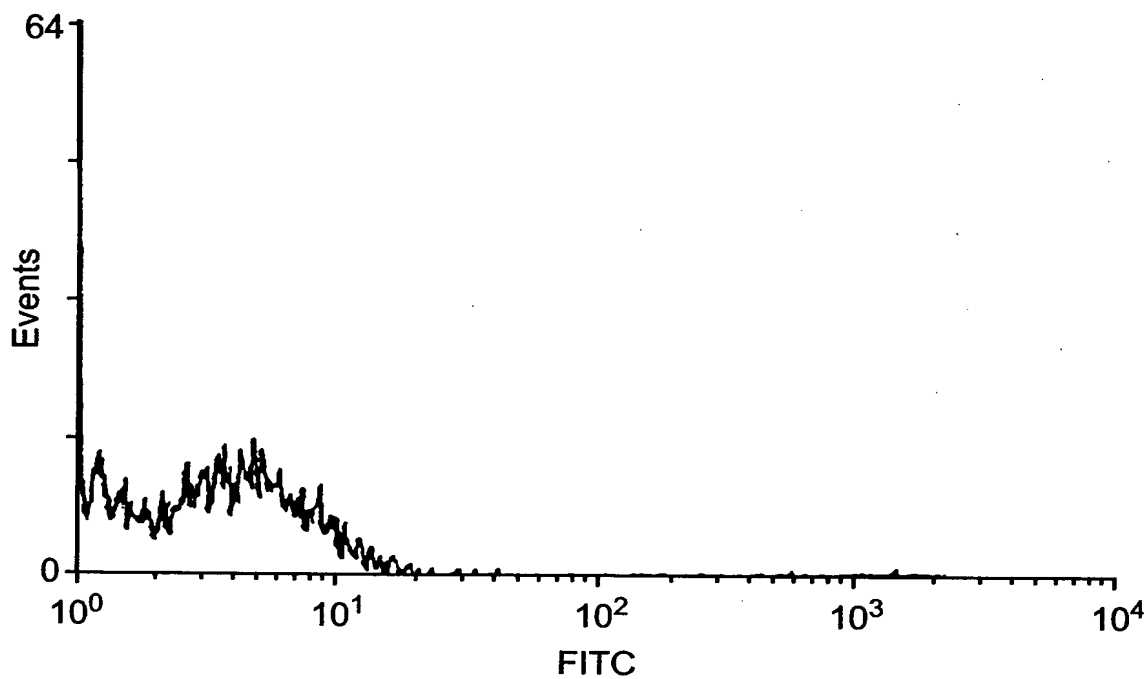


FIG. 22C

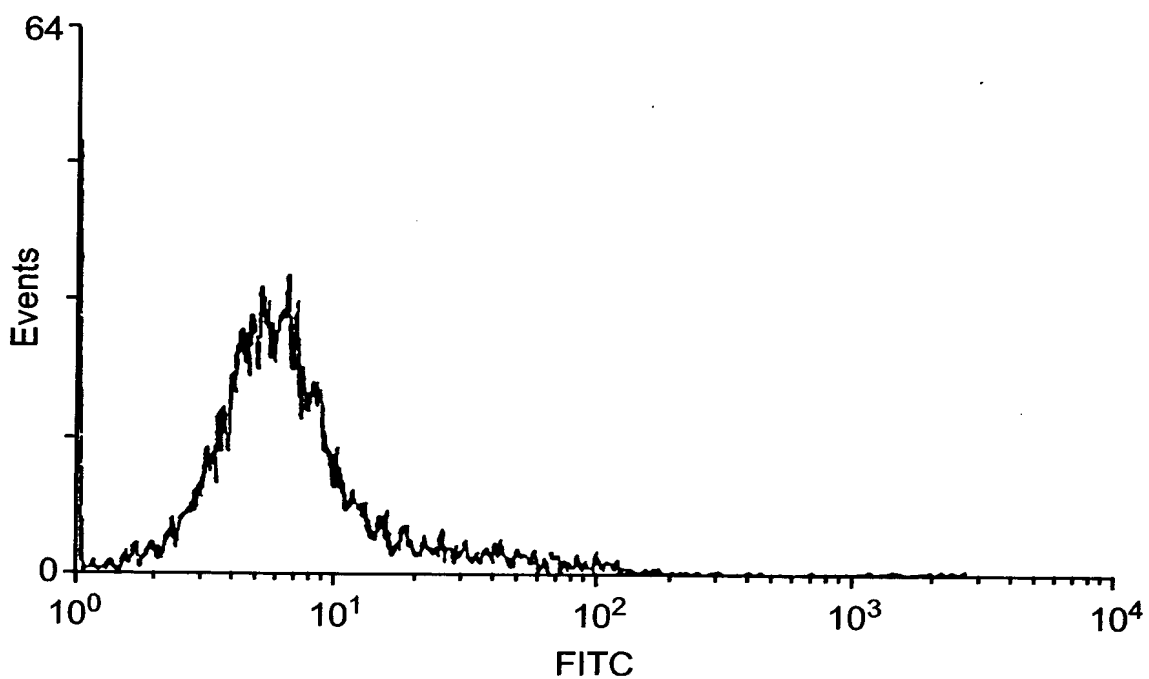


FIG. 22D



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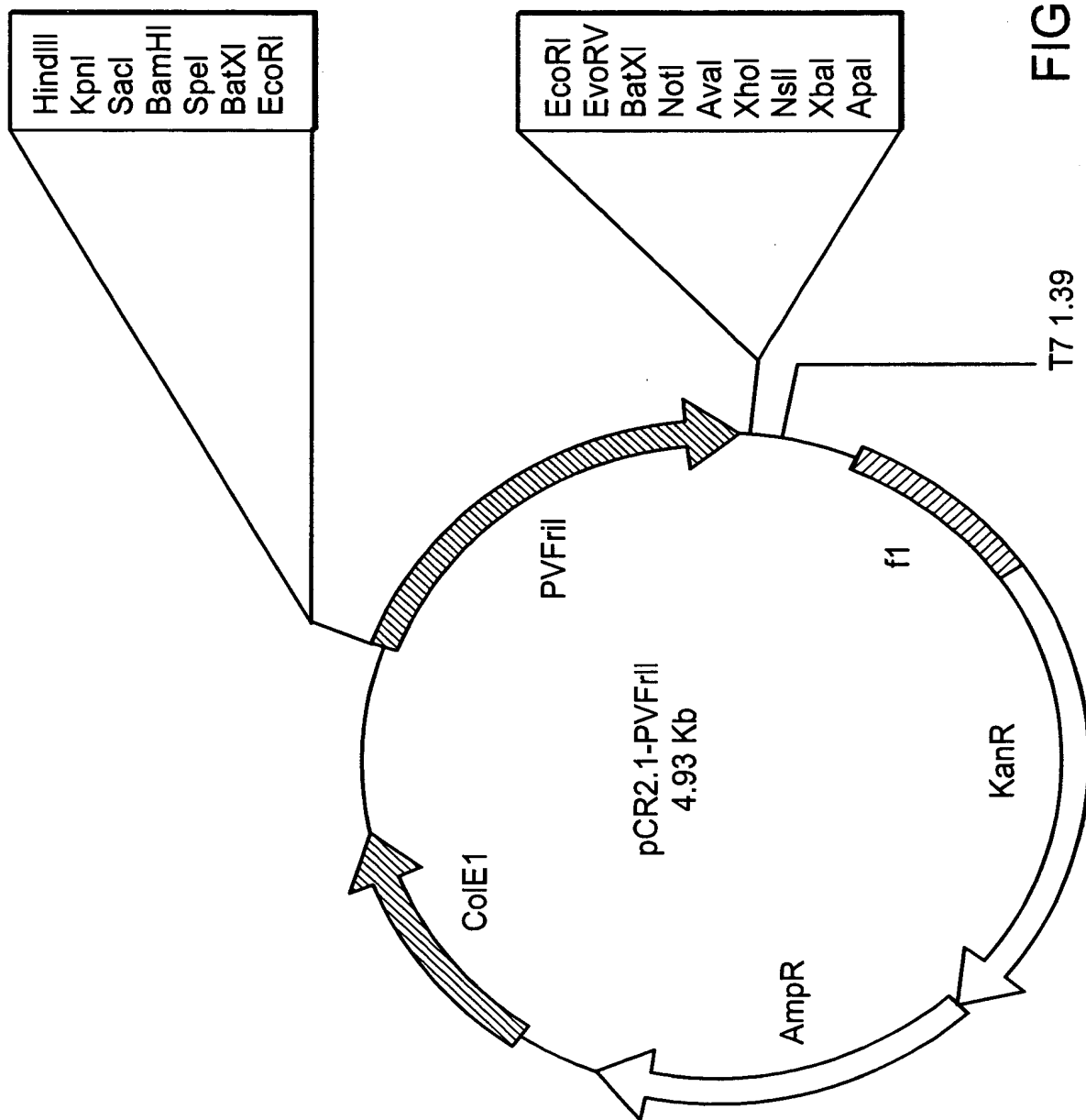


FIG. 24A

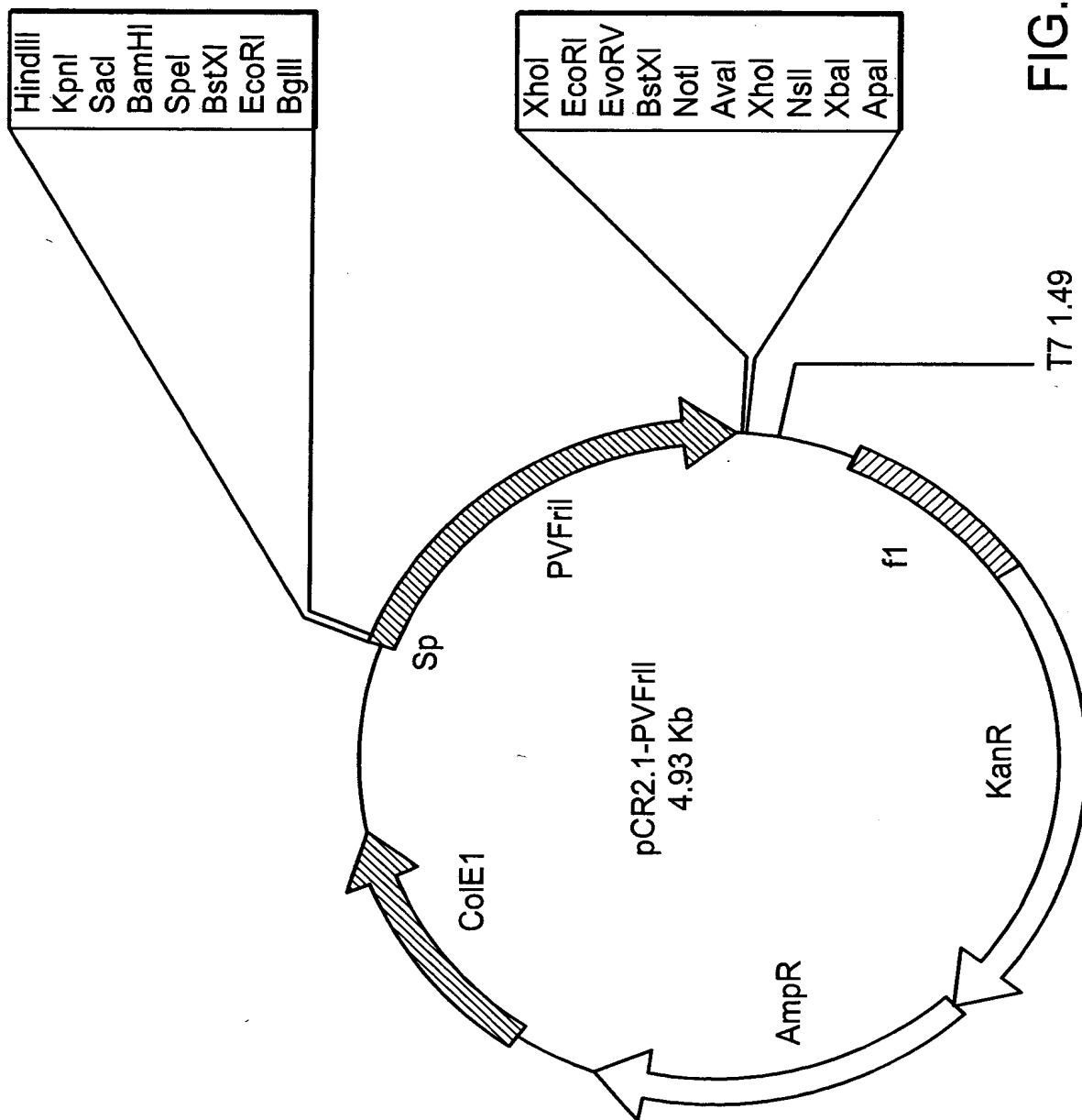
FIG. 24B



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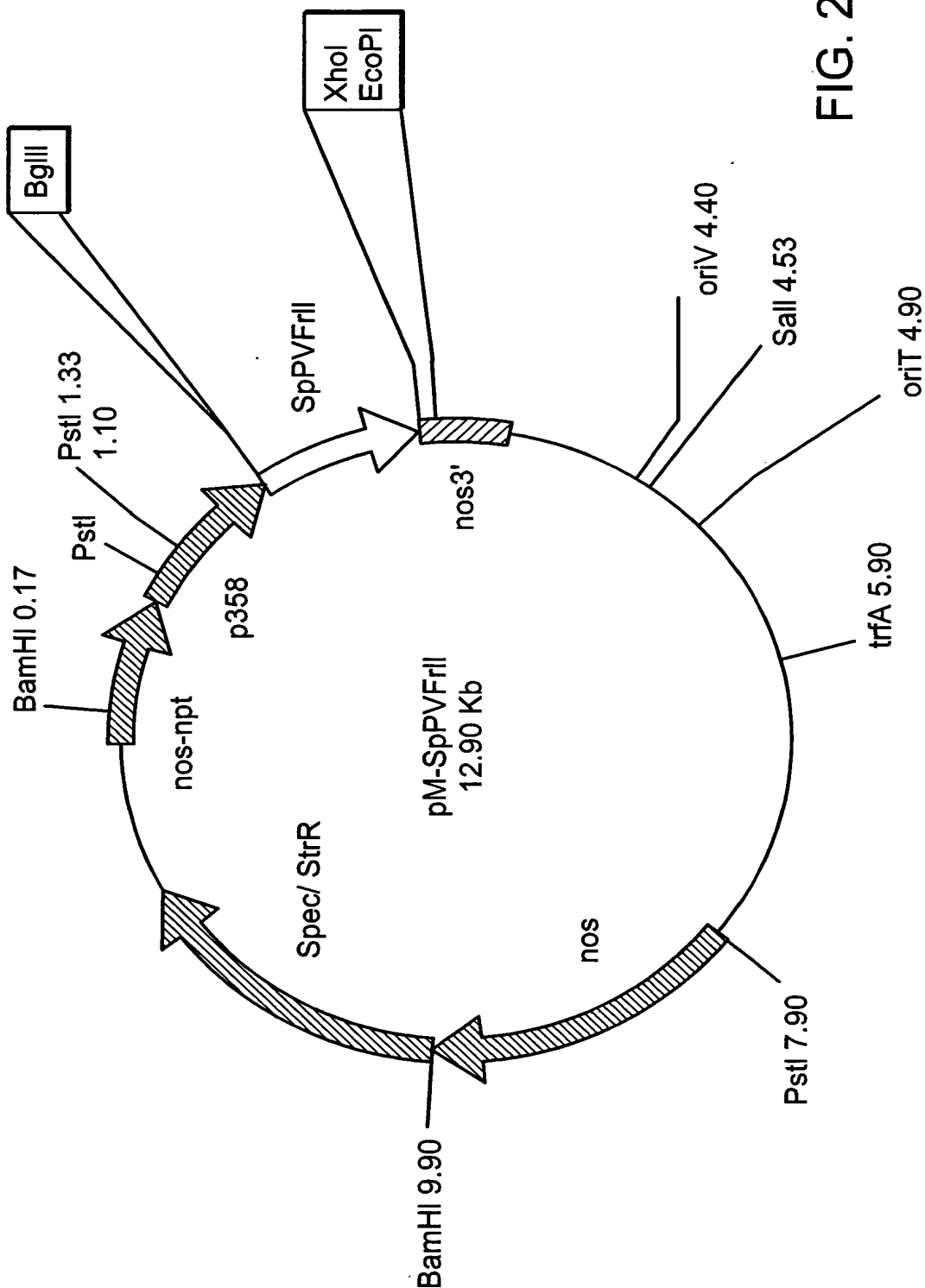


FIG. 26



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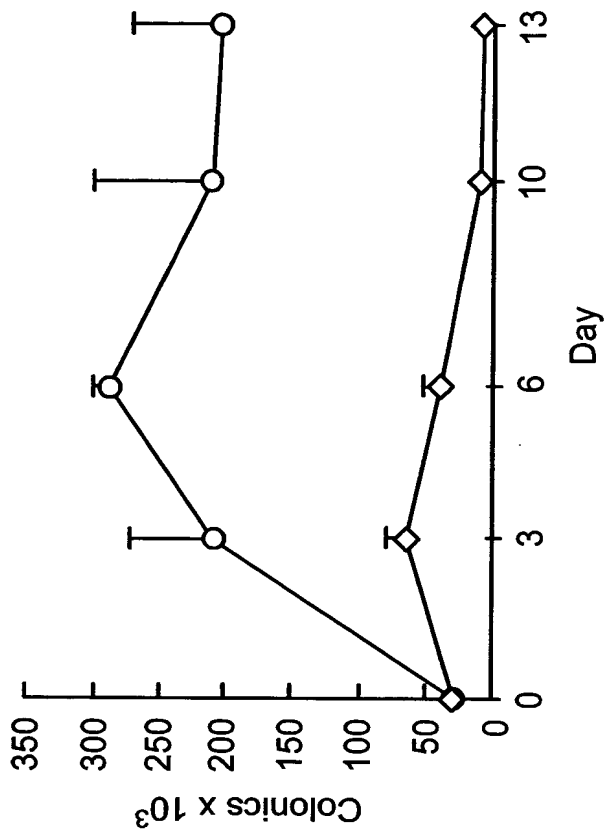


FIG. 27B

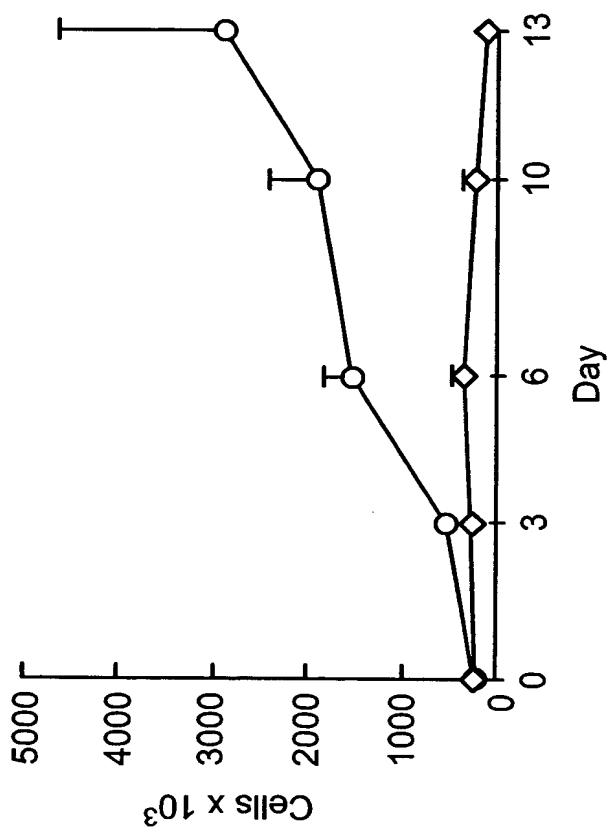


FIG. 27A

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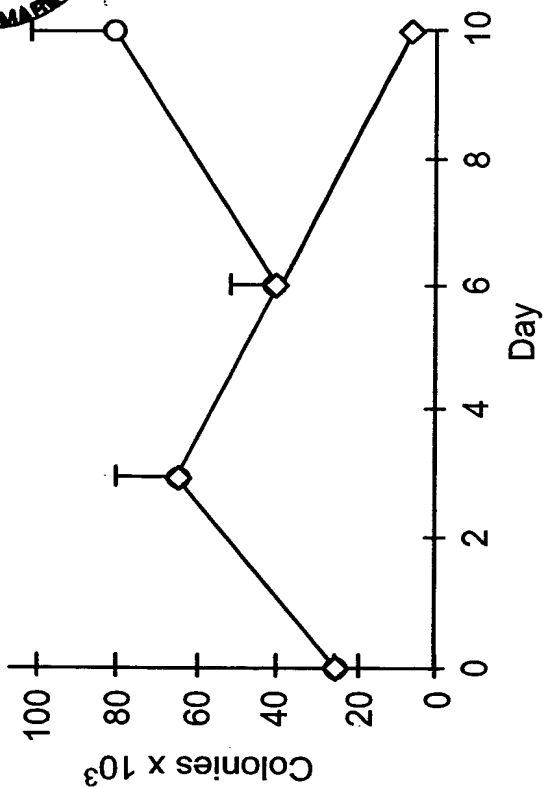


FIG. 28B

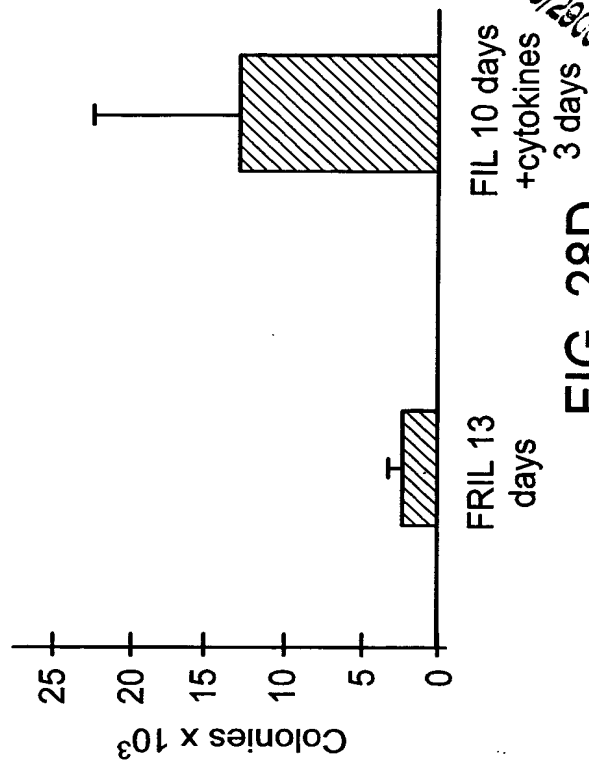


FIG. 28D

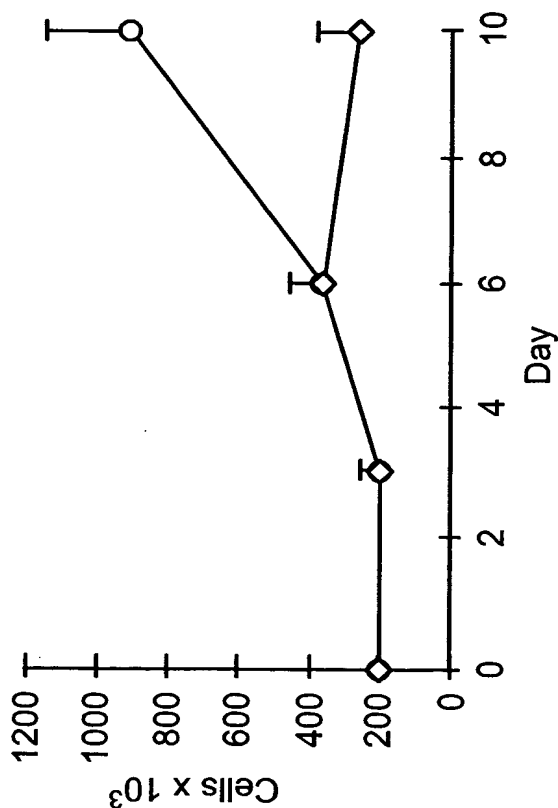


FIG. 28A

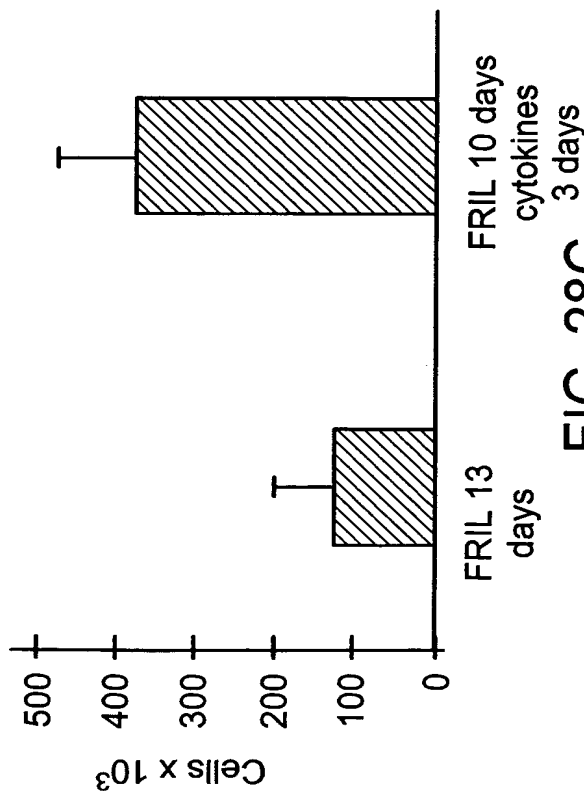


FIG. 28C

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human/mouse  
DNA mix. (%)

0 0.1 1 10

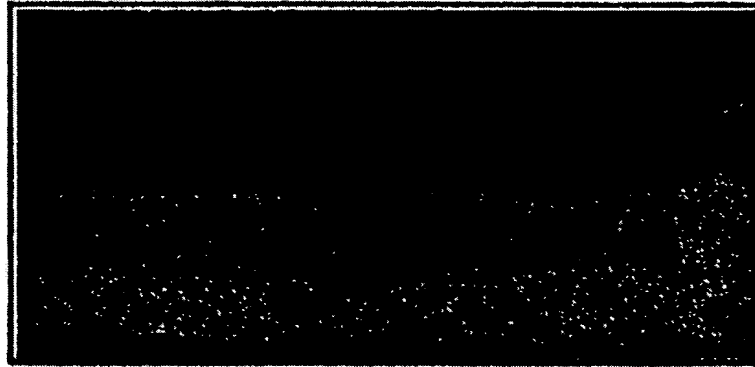


FIG. 29E

1 2 3 4



FIG. 29D

1 2



FIG. 29C

1 2 3 4



FIG. 29B

1 2 3

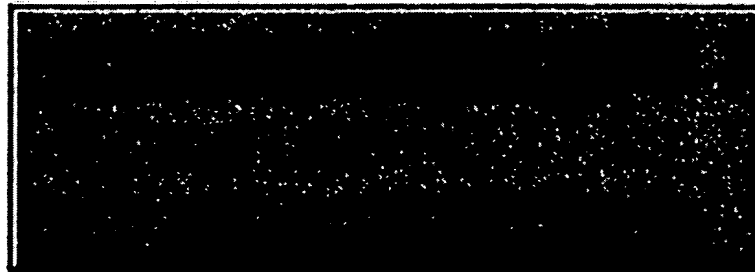


FIG. 29A

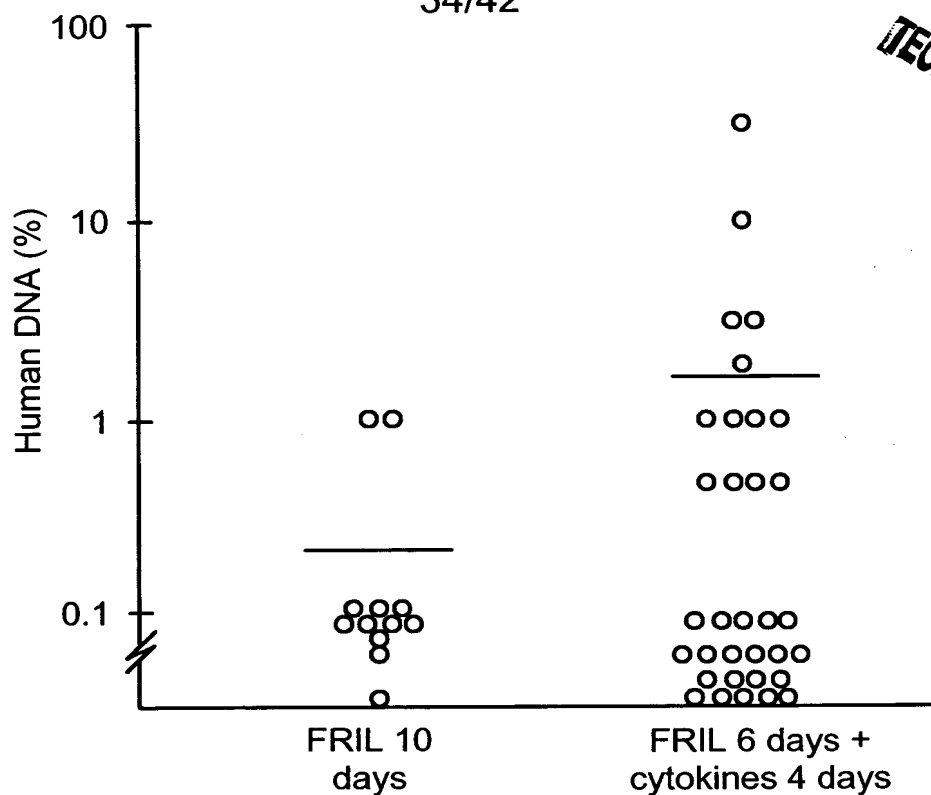
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FIG. 30

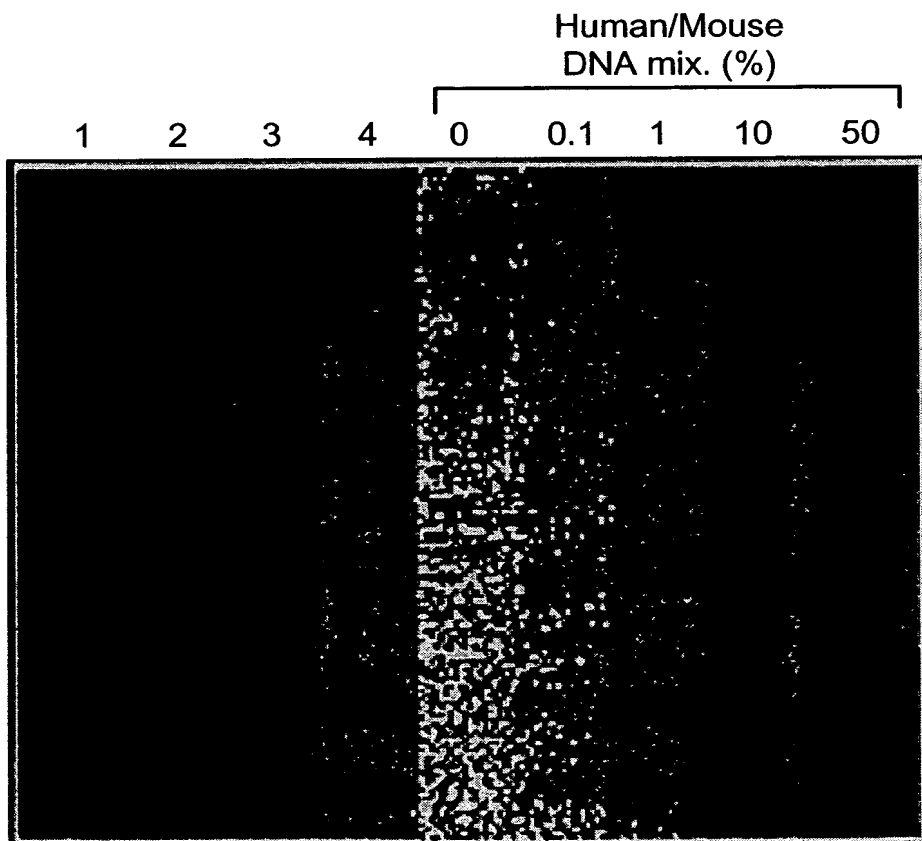


FIG. 31



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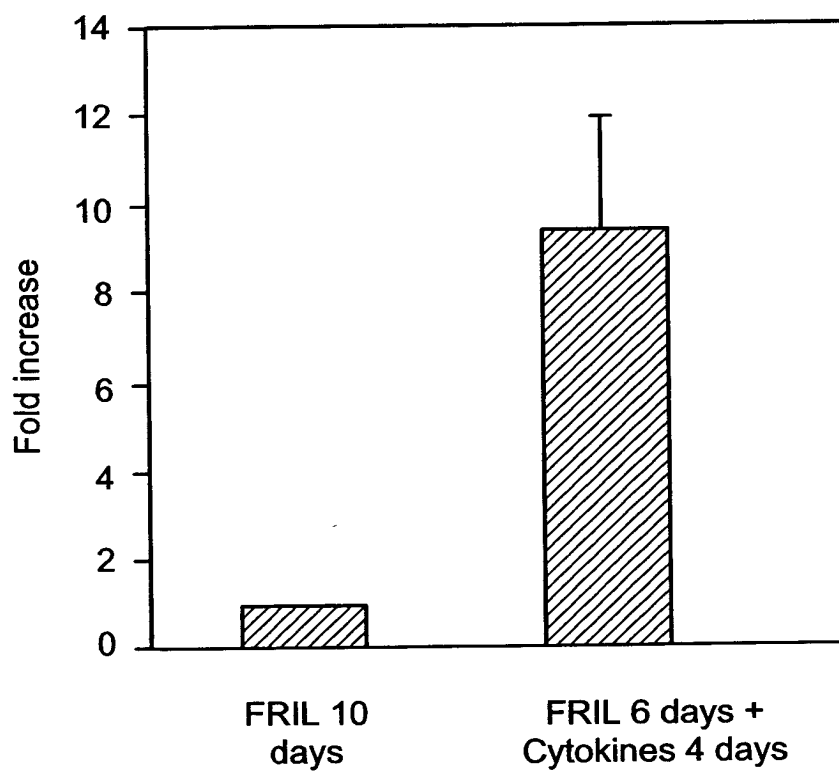


FIG. 32



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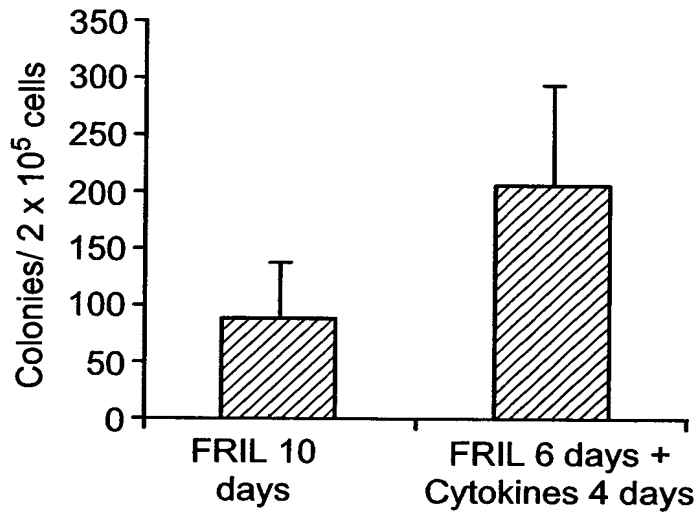


FIG. 33A

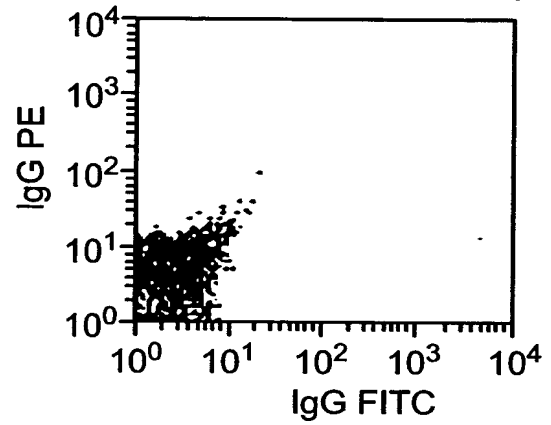


FIG. 33B

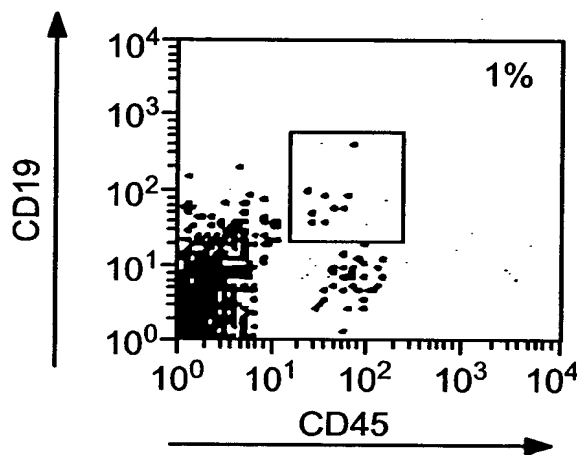


FIG. 33C

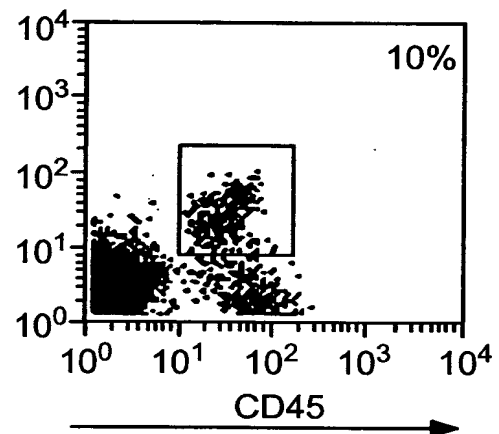


FIG. 33D

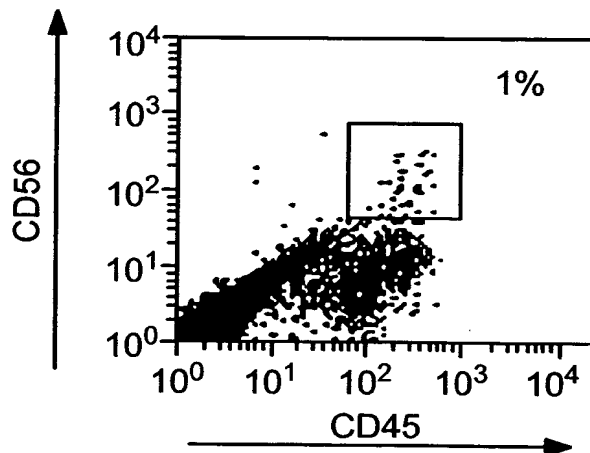


FIG. 33E

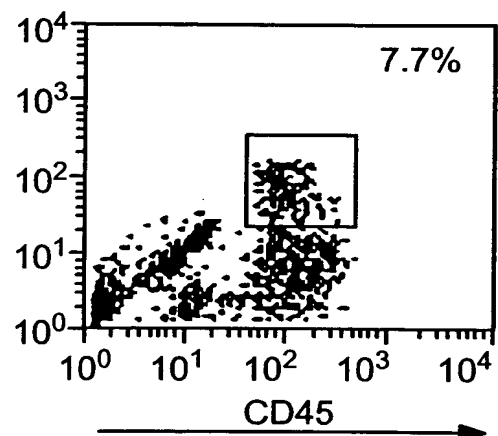


FIG. 33F



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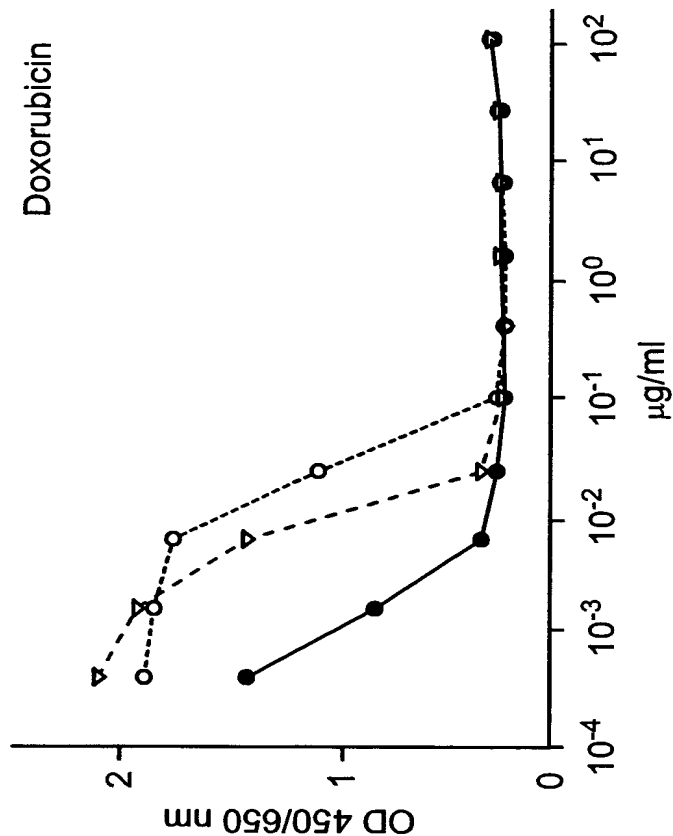


FIG. 36B

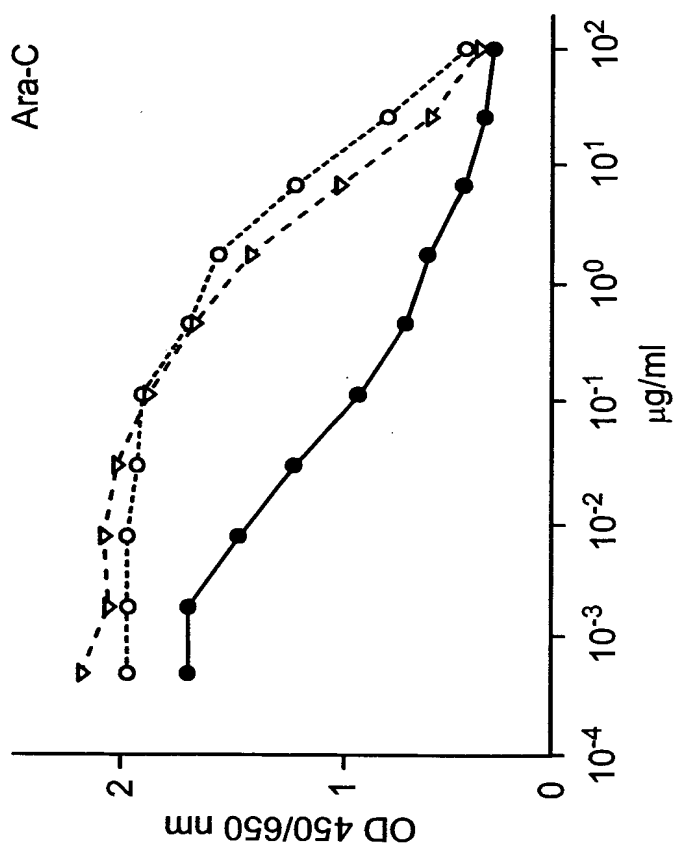


FIG. 36A

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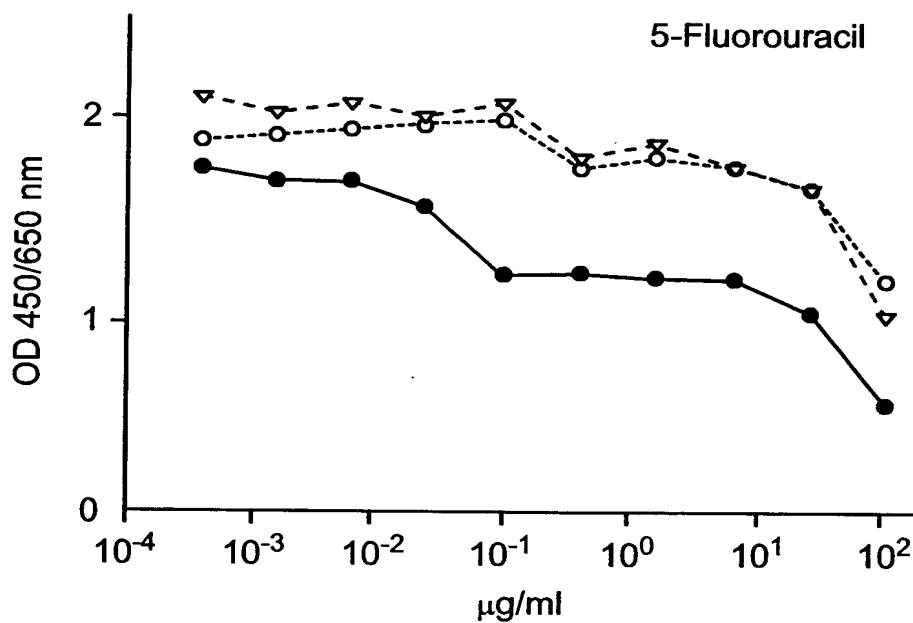


FIG. 36C